

12/18/00



jc978 U.S. PTO

12-28-00

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**CHOATE, HALL & STEWART**

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

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jc825 U.S. PTO  
09/740653



BOX PATENT APPLICATION  
ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

**Express Mail No.: EL603009835US**  
**Attorney Docket No.: 2003028-0008**  
**Date Filed: December 18, 2000**

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(FOR NEW NONPROVISIONAL APPLICATIONS UNDER 37 C.F.R. § 1.53(B))

Dear Sir:

Please find enclosed a patent application and papers as follows for:

**Inventor(s):**

Given Name (first and middle)	Family Name or Surname	Residence (City and State or Foreign Country)
Chester A.	Metcalf III	Boston, Massachusetts
William C.	Shakespeare	Framingham, Massachusetts
Tomi K.	Sawyer	Southborough, Massachusetts

**Title of the Invention:** NOVEL PURINES

**A) APPLICATION ELEMENTS:**

- 1) ☒ **Fee Transmittal Form** (original and duplicate submitted for fee processing)
- 2) ☐ **Applicant Claims Small Entity Status** (see 37 CFR 1.27)
  - a) ☐ **Statement Verifying Small Entity Status** (optional)

EXPRESS MAIL NO.: EL603009835US  
DATE FILED: December 18, 2000

3) ☒ **Specification**

TOTAL PAGES: 170

- Descriptive Title of the Invention
- Priority Information
- Background of the Invention
- Summary of the Invention
- Definitions
- Detailed Description of Certain Preferred Embodiments of the Invention
- Equivalents
- Exemplification
- Claim(s)
- Abstract

4) ☐ **Drawing(s)** (35 U.S.C. § 113)

TOTAL SHEETS:    

- a) ☐ Formal Drawings (if checked)

5) ☒ **Oath or Declaration**

TOTAL PAGES: 3

- a) ☐ Newly Executed (original or copy)
- b) ☐ Copy from a prior application (37 C.F.R. § 1.63(d))-for continuation/divisional application
- i) ☐ DELETION OF INVENTOR(S): Signed Statement deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
- c) ☒ Unexecuted

6) ☐ **Application Data Sheet**. See 37 CFR 1.76.

7) ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

8) ☐ **Nucleotide and/or Amino Acid Sequence Submission** (if applicable, all are necessary)

- a) ☐ Computer Readable Form (CRF)
- b) ☐ Specification Sequence Listing on:
- i) ☐ CD-ROM or CR-R (2 copies); or
- ii) ☐ Paper
- c) ☐ Statements verifying identity of above copies

**B) ACCOMPANYING APPLICATION PARTS:**

- 9)   X        **Assignment Papers** (unexecuted documents)
- 10)   X        **37 C.F.R. § 3.73(b) Statement** (unexecuted)
- 11)   X        **Appointment of Attorney** (unexecuted)
- 12)             **English Translation Document** (if applicable)
- 13)             **Information Disclosure Statement (IDS)/PTO-1449**
- 14)             **Copies of IDS Citations**
- 15)             **Preliminary Amendment**
- 16)   X        **Return Receipt Postcard (MPEP 503)** (specifically itemized)
- 17)             **Certified Copy of Priority Document(s)** (if foreign priority is claimed)
- 18)             **OTHER:** (if applicable, specified below)

**C) FOR CONTINUING APPLICATIONS:** (the appropriate box is checked, and certain information is provided below and in a preliminary amendment)

       CONTINUATION                             DIVISIONAL                             CONTINUATION-IN-PART (CIP)

OF PRIOR APPLICATION NO: \_\_\_\_\_

FILED: \_\_\_\_\_

EXAMINER: \_\_\_\_\_

GROUP/ART UNIT: \_\_\_\_\_

**FOR CONTINUATION OR DIVISIONAL APPLICATIONS ONLY:** The entire disclosure of the prior application, from which an oath or declaration is supplied as detailed above, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.

D) METHOD OF PAYMENT OF FILING FEES FOR THIS APPLICATION:

- ☐ Applicant claims small entity status 37 CFR 1.27
- ☐ A check is enclosed to cover the filing fees as determined on the fee transmittal enclosed herewith
- ☒ The commissioner is hereby authorized to charge filing fees or credit any overpayment to deposit account number 03-1721.

Total filing fee amount \$ 7,346.00


E) CORRESPONDENCE ADDRESS:

☐ Customer Bar Code Label: \_\_\_\_\_

☒ Correspondence Address:

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Choate, Hall & Stewart  
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Boston, MA 02109  
phone: (617) 248-5000  
fax: (617) 248-4000

Respectfully Submitted,

  
Brenda Herschbach Jarrell, Ph.D.  
Reg. No.: 39,223

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**FEE TRANSMITTAL**  
**for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT**(\$)**7,346.00****Complete if Known**

Application Number

Filing Date

December 18, 2000

First Named Inventor

Metcalf, et al.

Examiner Name

Group Art Unit

Attorney Docket No.

2003028-0008

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit  
Account  
Number

03-1721

Deposit  
Account  
Name

Choate, Hall &amp; Stewart

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☐
- Applicant claims small entity status.
- 
- See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money  
Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$)	Code (\$)	Code (\$)	Code (\$)	Code (\$)	Fee Description	Fee Paid
101	710	201	355		Utility filing fee	710
106	320	206	160		Design filing fee	
107	490	207	245		Plant filing fee	
108	710	208	355		Reissue filing fee	
114	150	214	75		Provisional filing fee	

**SUBTOTAL (1)** (\$)**710.00****2. EXTRA CLAIM FEES**

Total Claims **347** - 20\*\* = **327** x **18** = **5,886**  
 Independent Claims **9** - 3\*\* = **6** x **80** = **480**  
 Multiple Dependent **270** = **270**

Large Entity Small Entity

Fee Fee Fee Fee Fee Description

Code (\$)	Code (\$)	Code (\$)	Code (\$)	Code (\$)	Fee Description	Fee Paid
103	18	203	9		Claims in excess of 20	
102	80	202	40		Independent claims in excess of 3	
104	270	204	135		Multiple dependent claim, if not paid	
109	80	209	40		** Reissue independent claims over original patent	
110	18	210	9		** Reissue claims in excess of 20 and over original patent	

**SUBTOTAL (2)** (\$)**7,346**

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	
Other fee (specify) _____			

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$)**SUBMITTED BY**

Name (Print/Type)

Brenda Herschbach Jarrell, Ph.D.

Registration No.  
(Attorney/Agent)

39,223

**Complete (if applicable)**

Telephone

(617) 248-5000

Signature

Date

December 18, 2000

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.